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(54) ANTIMICROBIAL AGENT COMPOSITION

(57)Abstract:

PURPOSE: To provide an antimicrobial agent composition comprising an antimicrobial agent, a mixture of an aromatic and non-aromatic non-ionic surfactants, a binder and water, finely dispersed in a fine particle state, strongly fixed to an adhered, prepared inexpensively and using no organic solvent.

CONSTITUTION: An antimicrobial agent composition comprises 1-80wt.% of an antimicrobial agent (e.g. 2-benzimidazolyl carbamic acid methyl ester), 0.1-8wt.% of a nonionic surfactant, 12-99wt.% of a binder (e.g. polyvinyl acetate) and water. The nonionic surfactant is a 1:4-4:1 mixture of an aromatic (e.g. polyoxyethylene nonylphenyl ether) and a no-aromatic (e.g. polyoxyethylene lauryl ether), thereby allowing to finely disperse the antimicrobial agent in a fine particle state having an average particle size of 2-1 μ m. The composition is a water dispersion, is readily employed and exhibits excellent antibacterial, deodorizing and antifungal activities, etc.

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